LYSENKO, F.I., polkovnik; ADENIN, A.S., polkovnik; BONDARENKO, V.Ye., polkovnik; ROGACHEV, F.B., polkovnik; RYB'YAKOV, M.M., podpolkovnik; BELYAKOV, S.A., polkovnik; ISAKOV, P.F., polkovnik; BURLYAY, A.A., polkovnik; SAVCHENKO, A.M., polkovnik; IVANOV, H.I., polkovnik; AVDEYENKOV, I.P., polkovnik; ZUBAREV, Ya.G., polkovnik; DIBROVA, I.Z., kapitan 1 ranga; TSVETKOV, R.V., general-mayor, red.; BRITVIN, N.I., polkovnik, red.; SHARPILO, P.N., podpolkovnik, red.; MYASNIKOVA, T.F., tekhn.red.

[Party political work in the Soviet Army and the Navy] Partiino-politicheskaia rabota v Sovetskoi Armii i Voenno-Morskom Flote.

Moskva, Voenizd-vo M-va obor.SSSR, 1960. 284 p.

(MIRA 13:6)

1. Voyenno-politiche skaya akademiya imeni V.I.Lenina (for all, except TSvetkov, Britvin, Sharpilo, Myasnikova).

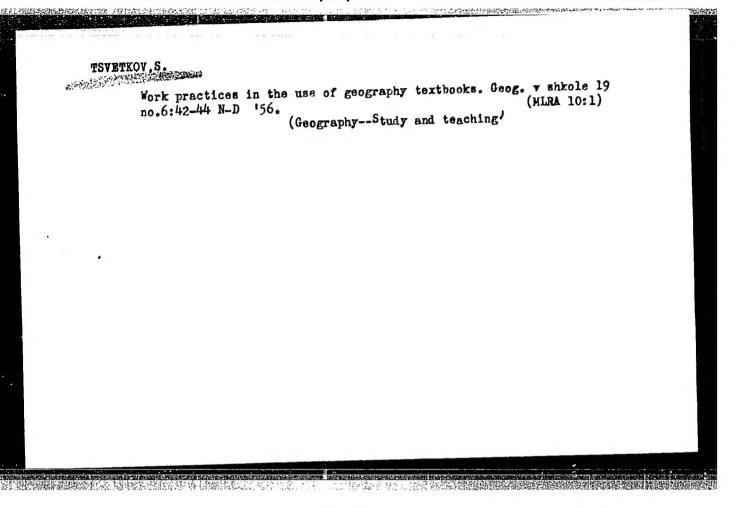
(Russia--Armed forces--Education, Non-military)

TSVETKCV, S.

"Radio reception without interferences."

P. 20. (Radio I Televiziia) Vol. 6, no. 12, 1957 Sofiia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) IC. Vol. 7, no. 4, April, 1958



TSVETKOV, Stolan

Bic gical and economic properties of some sunflower varieties.

Selskostop nauka 2 no.7:783-788 '63.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001757220008-9"

POPKOV, K.K.; TABOLINA, L.N.; TSVETKOVA, S.A. Dependence of heat release on the composition of iron - water thermal shielding. Atom. energ. 15 no.6:516-517 D '63.

(MIRA 17:1)

CIA-RDP86-00513R001757220008-9" APPROVED FOR RELEASE: 04/03/2001

TENDED TO THE TENDER OF THE TE

TSVETKOV, S.G.

Concerning one method of burning of carbon electrodes. Zav. lab. 30 no.1:48-49 '64. (MIRA 17:9)

1. Nauchno-issledovatel'skiy institut khimii pri Gor'kovskom gosudarstvennom universitete.

TSVETNOV, Serafim Aleksandrovich, inzh.; MORDVINOVA, N.P., inzh., ved. red.; TOLCHINSKIY, Ye.M., inzh., red.; SOROKINA, T.M., tekhn. red.

[Device for automatic temperature control of grain in granaries]
Ustanovka dlia avtomaticheskogo kontrolia temperatury zerna v
zernokhranilishchakh. Moskva, Filial Vses.in-ta nauchn.i tekhn.
informatsii, 1958. 12 p. (Peredovoi nauchno-tekhnicheskii i
proizvodstvennyi opyt. Tema 34. No.P-58-105/12) (MIRA 16:3)
(Grain-Storage) (Temperature regulators)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001757220008-9"

经国际证据的 医神经炎 为证 含化和自己的定位的	A CONTRACT AND A CONTRACT OF THE PROPERTY OF T	- T
BOCHAROV,	N.F., dotsent, kand.tekhn.nauk; DIDENKO, V.P., inzh.; IVANUSHKIN, A.M., starshiy prepodavatel; TSVETKOV, S.I., inzh.	1 (2.00) 1
	Interurban gas-turbine motorbus. Izv.vys.ucheb.zav.; mashinostr. no.3:12-19 *59. (MIRA 13:3)	(
	1. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni N.Ye. Baumana. (Motorbuses)	0
	(MOTOLOGBER)	
	,	mwca. D

MOSKVIN, V.M., doktor tekhn. nauk, prof.; MEDVEDEV, V.M., kand. tekhn. nauk; KAPKIN, M.M., kand. tekhn. nauk. Prinimali uchastiye: IVANOV, F.M., kand. tekhn. nauk; TSVETKOV, S.M., kand. tekhn. nauk; PAVLOV, V.M., inzh.; KLIMOVA, G.D., red. izd-va; BOROVNEV, N.K., tekhn. red.

[Instructions for increasing the durability of concrete in elements of marine hydraulic structures] Instruktsiia po povyshenilu dolgovechnosti betona v konstruktsiiakh morskikh gidrotekhnicheskikh sooruzhenii. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1962. 58 p. (MIRA 15:5)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut betona i zhelezobetona, Perovo. 2. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR (for Moskvin). 3. TSentral'naya laboratoriya korrozii Nauchno-issledovatel'skogo instituta betona i zhelezobetona Akademii stroitel'stva i arkhitektury SSSR (for Medvedev, Kapkin). 4. TSentral'nyy nauchno-issledovatel'skiy institut svyazi. Ministerstva transportnogo stroitel'stva SSSR (for Ivanov). (Hydraulic structures) (Concrete construction)

KON'KOV, P.I.; KULIKOVA, T.N., mladshiy nauchnyy sotrudnik; TSVETKOV, S.N.

Two-stage method of filling fabrics with vat dyes. Tekst.prom. 22 (MIRA 15:2) no.1:54-56 Ja '62.

1. Direktor Serpukhovskogo nauchno-issledovatel'skogo instituta tekstil'noy promyshlennosti (for Kon'kov). 2. Serpukhovskiy tekstil'noy promyshlennosti (for nauchno-issledovatel'skiy institut tekstil'noy promyshlennosti (for Kulikova). 3. Glavnyy inzh. 2-y Sittsenabivnoy fabriki (for TSvetkov).

(Dyes and dyeing) (Textile fabrics)

15-57-10-14345

Referativnyy zhurnal, Geologiya, 1957, Nr 10, Translation from:

pp 160-161 (USSR)

Tavetkov, S. N. AUTHOR:

The Investigation of Some Littoral Marine Muds as Material for Manufacturing Structural Products (Issledo-TITLE:

vaniye nekotorykh pribrezhnykh morskikh ilov kak syr'ya

dlya proizvodstva stroitel'nykh materialov)

Visb : 15-ya nauchn. konferentsiya Leningr. inzh.-PERIODICAL:

stroit. in-ta, Leningrad, 1957, pp 482-485.

The littoral muds of the northern shore of the Gulf of ABSTRACT:

Finland (the Porkkala-Udd region) are finely dispersed marine clays. The sand content (diameter of particles 0.05 mm) ranges from 1 to 19 percent; silt (diam of 0.05 mm to 0.002 mm) ranges from 46 to 62 percent; and clay (diam 0.002 mm) ranges from 28 to 52 percent. The

sands and silts contain quartz, plagioclase, muscovite,

hornblende, and other minerals. Card 1/2

The Investigation of Some Littoral Marine Muds (Cont.)

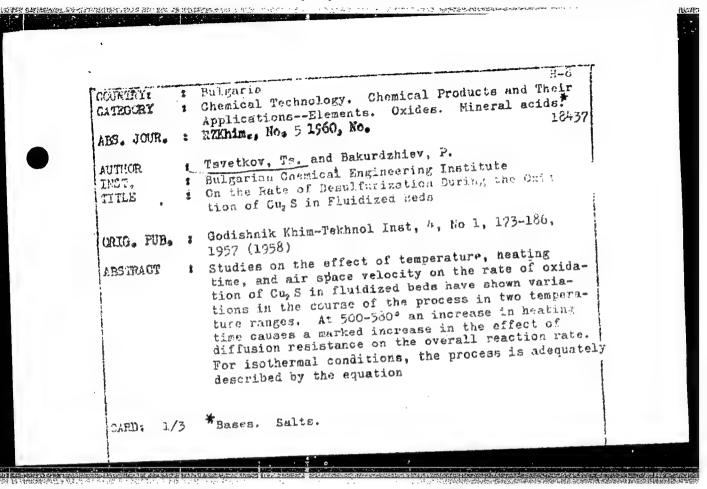
contains hydromicas and quartz. The moisture content required to make the mud plastic for working is 50 to 60 percent, 2 to 3 hydrophilic quality of the mud is sharply decreased by drying to an airdry condition. This study has shown that it is possiunbaked bricks, and lime-clay cements from the Gulf of Finland. Sition and properties, but the littoral muds of the Tatar Card 2/2

V. P. Yeremeyev

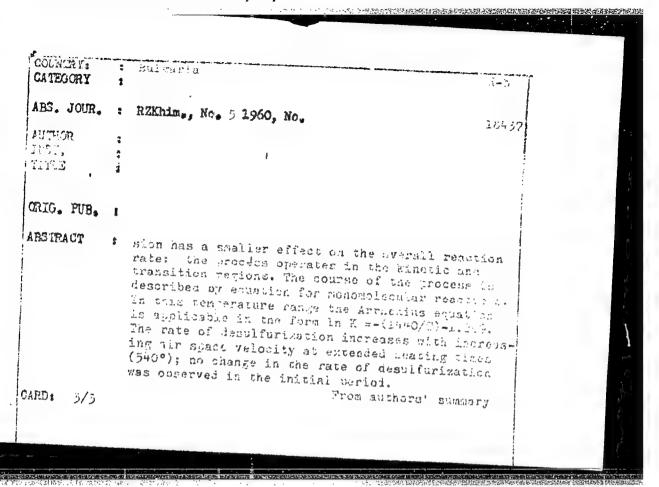
TSVETKOV, TS.

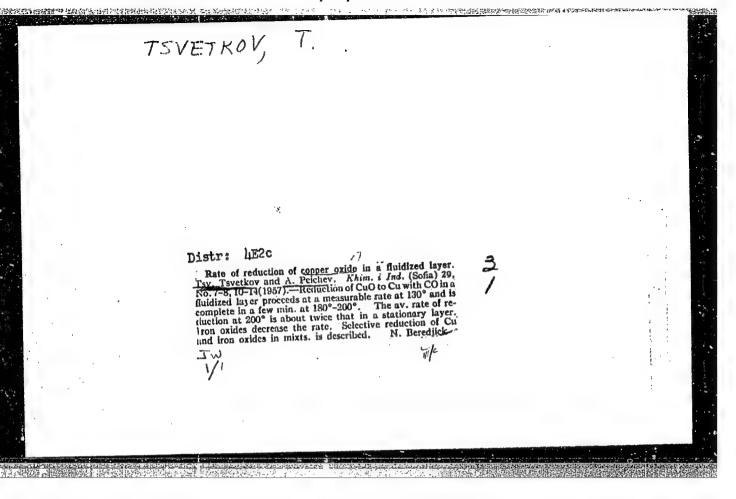
New methods in nonferrous metallurgy. P. 25 TEKHNIKA. Vol. 5, No.3 May?June 1956 Sofiya, Bulgaria

So. East European Accessions List Vol. 5, No. 9 September, 1956



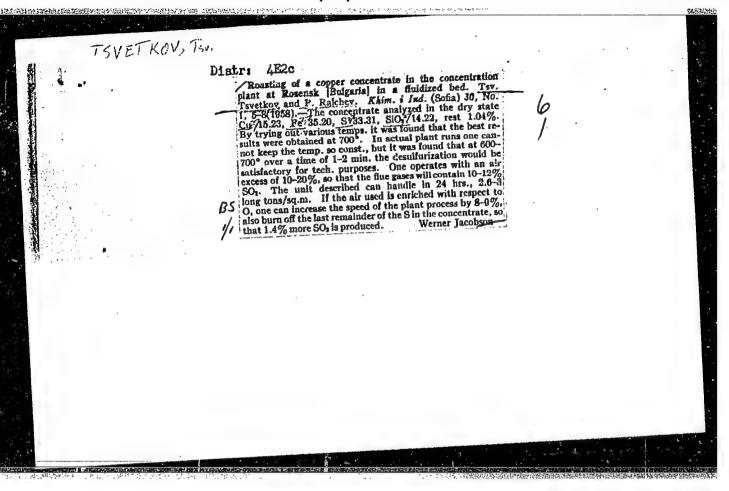
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auther Inst. Vitus	3 3	
ORTU, FUB.	3	
ABGIRACT		$y = K \mathcal{Z}^n$
		where K characterizes the rate of the chemical reaction, n is the rate of diffusion, and T is the time from the start of the run. The product Kn = Koverall) has the character of a reaction rate constant for the overall process. K and n are functions of the time and temperature. The overall reaction rate for the process increases with increasing temperature up to 560° and then decreases in range 560 - 600°. At 650-750° the rate of diffu-
CARD: 2/3		239





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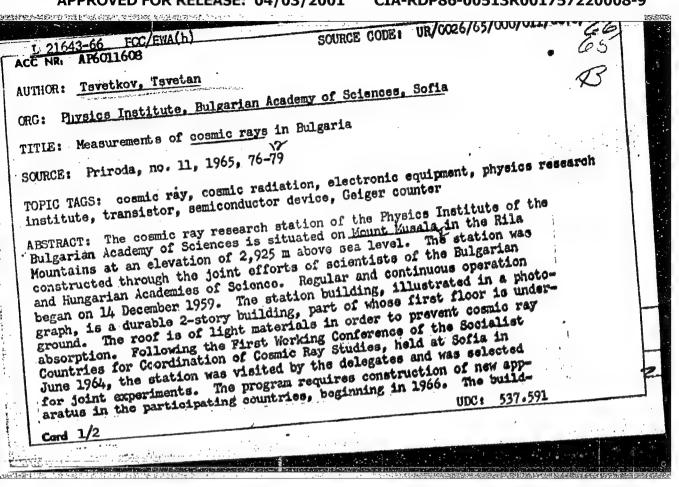
CIA-RDP86-00513R001757220008-9

TSVETKOV, Tsv. [deceased]; BARURDZHIEV, P.

Interfacial tension on the slag-copper matte border in connection with the metal content in the slags. Godishnik khim tekh 9 no. 1:167-179 '62 [publ. '63].

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757220008-9



L 21643-66

ACC NR. AP6011608

ing and quarters are to be expanded. The Cosmic Radiation Section of the Physics Institute of the Bulgarian Academy of Sciences is the only group engaged in cosmic ray studies. Husala is the only station where experiments actually are made. The several young physicists in this section are directed by Academician Khristo Khristov, Chief of the Section of Theoretical Physics and Cosmic Radiation. Work at Musals is carried on in close collaboration with the Central Physics Institute in Budapest. The apparatus used consists of four groups of counters situated in four corners of one room (illustrated in the article) at a. distance of 8 m apart. Klectronic apparatus was greatly improved during 1964, using thousands of diodes and transistors. New semiconductor apparatus is being used in an investigation of inelastic interactions at energies 30, 60 and 90 BeV. The detectors are 240 Geiger-Kuller counters spaced over a great area. Both of these outfits were constructed in Hungary and operated some time there before being moved to Kusala. Information already has been obtained on extensive atmospheric showers. The Cosmic Radiation Section in Bulgaria also has constructed a combined mem-meson telescope and a standard neutron monitor. Eighty Geiger-Huller counters in a special pattern are used in measuring intensity in four regions of the sky at different angles to the vertical. Orig; art. has: 2 figures. [JPRS]

SUB CODE: 04, 03, 09 / SUBM DATE: none / ORIG REF: 002

Cord 2/2 10V

SLAVOV, IV.; TSVETKOV, T. Diagnostic and therapeutic difficulties in congenital abhorsalities of the female genitalia. Akush. ginek. (Sofiia) 4 no.2:

144-145 165.

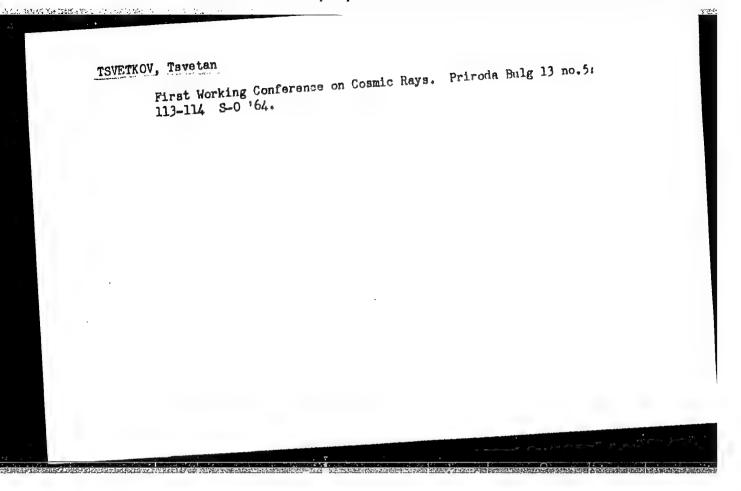
l. VMI "I.P. Pavlov", Plovdiv, Katedra no akusherstvo i gineko-logiia (rukovoditel: prof. I. Lambrev). Submitted February 1964.

CIA-RDP86-00513R001757220008-9" APPROVED FOR RELEASE: 04/03/2001

TSVETKOV, TSvetun

Measuring cosmic radiation in Bulgaria. Priroda 54 mo.ll:
(MIRA 18:11)
76-79 '65.

1. Fizicheskiy institut Bolgarskoy Akademii nauk, Sofiya.



VULKOV, T. VULKOV, T. BULGARIA [Academic Degrees] Docent [Affiliation] Chair of Obstetrics and Oynecology with the Higher Medical Institute (Katedra pe akusheratve i ginekologiya pri WII), Plevdiv; Director: Professor L. LAMBREV. [Bource] Bofia, Akusheratve i Oinekologiya, Ne 5, 1963, pp 35-36. [Data] "Ectopic Pregnancy in an Atretic and an Accessory Tube." Ce-auther: TSVETKOV, T., Docent

VULKOV, T., dotsent; TSVETKOV, T.

Retopic pregnancy in an atresic and accessory tube. Suvr. med. 13 no.3:33-36 '62.

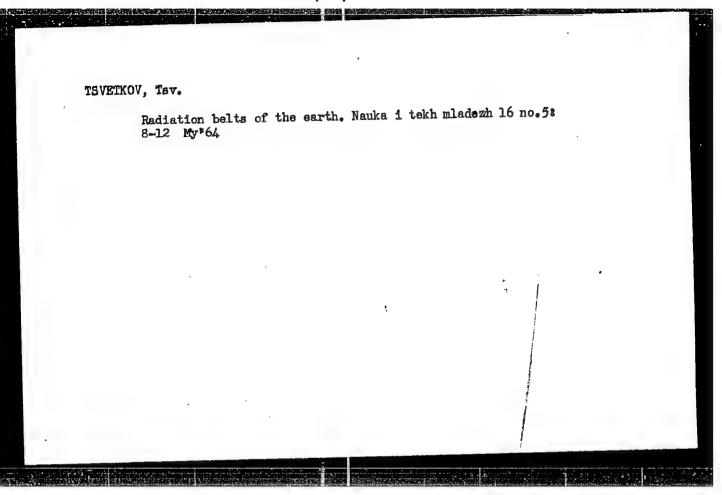
(PREGNANCY, TUBAL)

IAKUBOV, IU.; TOVETKOV, T.

A case of secondary amenor thea. Akush. ginek (Sofia) 1 no.2:63 162.

l. Akushero-ginekologichna klinika pri VMI [Vissh meditsinski institut] - Plovdiv Rukoveditel prof. L. Lambrev.

(AMENORRHEA case reports)



GRIGOROV, Tw., inzh.; SLABAKOVA, B., inzh.; TSVETKOV, Tav., inzh.

Improved running of the VAMI-107 engine by some modifications
in combustion process. Mashinostroene 11 no.10:16-22 0 '62.

LYUBIMOVA, Ye.I., kand.biolog.nauk; TSVETKOVA, T.T., laborent-tekhnik

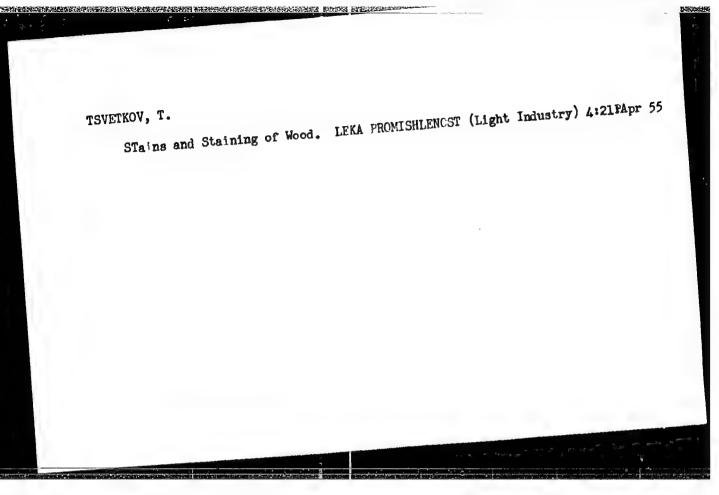
Microflora of the retting liquor in case of the modified two-phase
retting of kenaf and jute bast. Nauch.-issl.trudy TSNILV 17:
36-44 '62.

(MIRA 16:10)

KOCHANKOV, D.; MADZHAROV, G.; KUNCHIV, N.; TSVETKOV, T.; DIMCHEVA, L.; KOSTOVA, K.; LUMBARSKI, VI.

Sanatorial therapy of diabetes at Bankia spa. Suvrem. med. Sofia 8 no.3: 37-43 1957.

1. Iz. Sanatorium No. 2 - MiKU - Bankia (Gl. lekar: d-r D. Kochankov).
(DIABETES MELLITUS, therapy.
sanatorial (Bul))



YAKUBOV, IU.; MILENKOV, Khr.; ANDREEV, D.; TSVETKOV, T.

Apropos of a new method of terminating pregnancy...vacuum excochleation. I.Akush.Ginek.3 no.314-7 '64.

TSVETKOV, TS.

Construction of inclined drum gate of dams. p. 6.

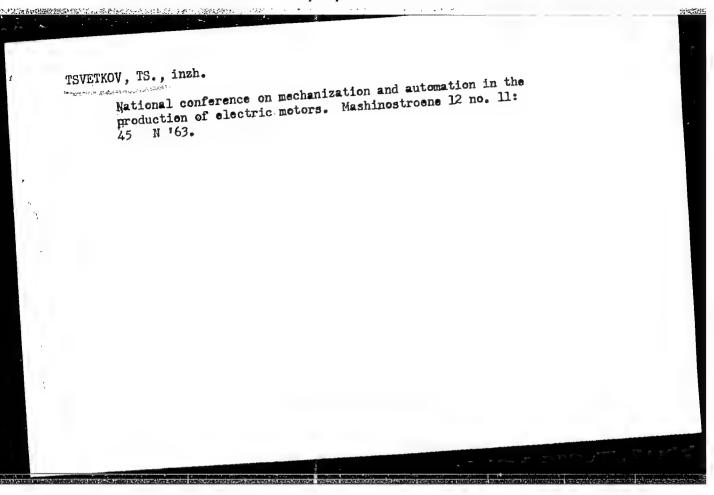
REKHNIKA. Vol. 4, no. 5, June/July 1955

Sofiia, Bulgaria

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 6, No. 1, January 1957

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP8

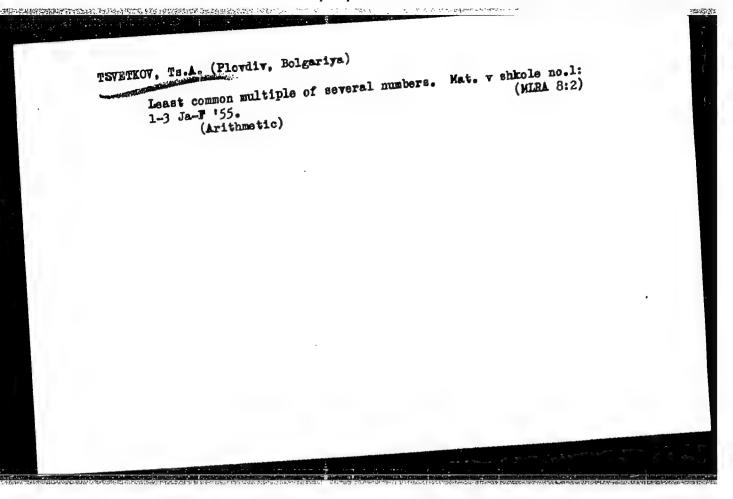
CIA-RDP86-00513R001757220008-9

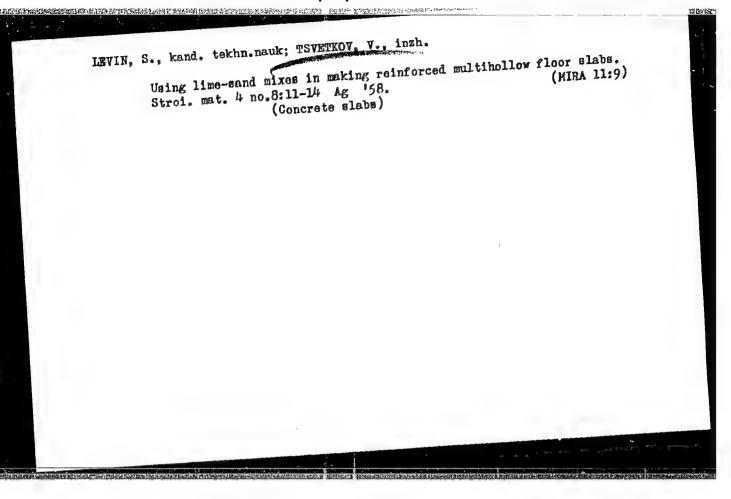


TSVETKOV, TS.; FETROV, E. Permanent sections of land to the brigades. p.6.

Vol. 11, no. 10, Oct. 1956 KOOFFRATIVNO ZE!/EDELIE AGRICULTURE Sofiia, Bulgaria

SO: East European Accession, Vol. 6, No. 3, March 1957



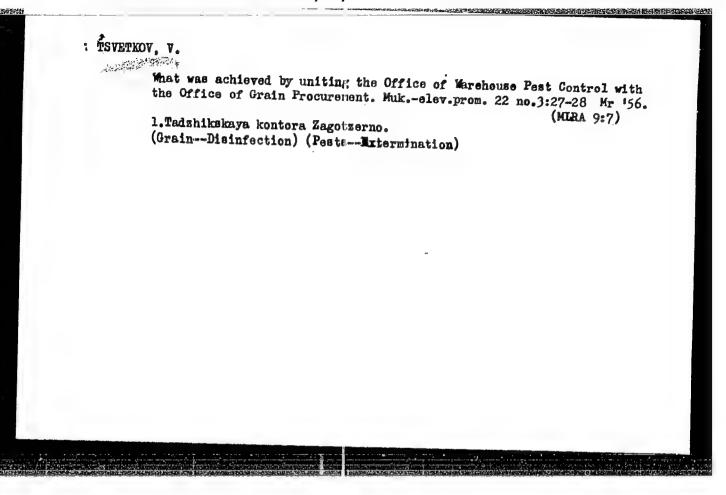


"To Improve Automotive Trams] Autotransport Dept, Ministry "Mrs. vol VII, No 10" Reports 67.4% existing Mrs e oles in operation by 1 Jan 1 only 9.4% of tires repaired; validles in operation for te valides in operation for te pair plan fulfilled and in first quarter of 1947, 80 in formal. Freshot transport 10.0 of 1947 was fulfilled 150.2% in ton-km. 32 repair plant 1947-1949; five to be put 1 and eight in 1948. New GAZ used in agriculture in 1947 used in agriculture in 1947.

TSVETKOV, V

"Some optical methods for investigating the structure of macromolecules in solution" Chemicke Listy. Preha, Czechoslovakia. Vol. 49, no. 10, Oct 1955

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclas



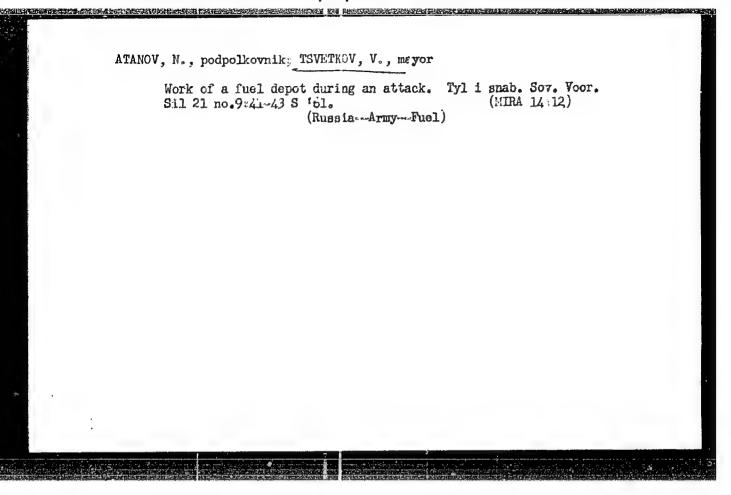
VELKOV, A.; TSVETKOV, V.; SUBKOV, R.

Efficiency of industrial heating systems. Izv Inst energ BAN 5:65-127 '63.

ATANOV, N., podpolkovníky TSVETK)V, V., meyor

Work of a fuel depot during an attack. Tyl i snab. Sov. Voor.
Sil 21 no.9%41-43 S 'tôl.
(Russ:A--Army-Fuel)

(Russ:A--Army-Fuel)



TSVETKOV, V., inzh., laureat Leninskoy premii

Three-hinged reinforced concrete frames from agricultural structures. Sel'. stroi. no.10:6-7 0 '62. (MIRA 15:11)

(Farm buildings)

(Kalinin Province—Precast concrete construction)

What did the up-to-now experiments show in the field of the technoscientific labor normalization in the cooperative farms. Trud tseni 3 no.10:36-44 '61.

DOROFEYEV, A.; TSVETKOV, V., vrach; BAKHTIN, A.

Readers relate, advise and criticize. Sov. profsoiuzy 18 no.8:36-37 '62. (MIRA 15:4)

1. Predsedatel' rayonnogo ko miteta professional'nogo soyuza zheleznodorozhnikov Velikolukskogo otdeleniya Oktyabr'skoy zheleznoy dorogi (for Dorofeyev). 2. Belokolodez'skaya uchastkovaya bol'nitsa, Orlovskaya oblast' (for TSvetkov).
3. Zaveduyushchiy klubom Suslongerskogo lesokombinata, Mariyskaya ASSR (for Bakhtin).

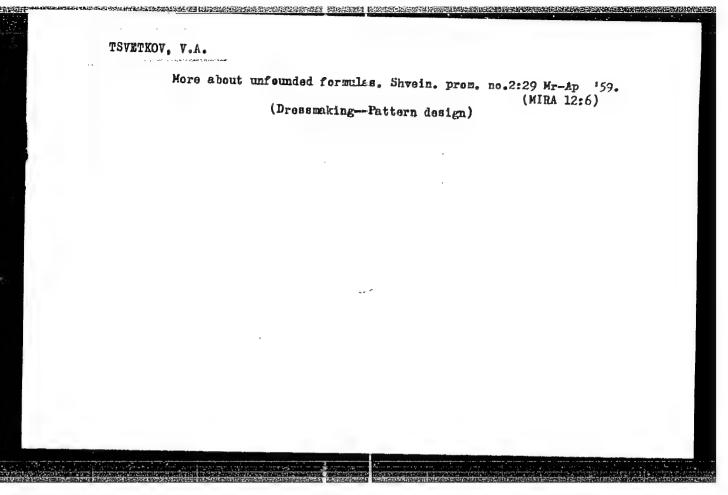
(Community centers)
(Orel Province--Agricultural workers--Diseases and hygiene)

TSVETKOV, V. A.

"Autoparamagnetic Phenomena and Surges in Chree-Phase Circuits which Contain Ferromagnetic Equipment."

Dissertation for the degree of Doctor of Technical Sciences, defended at the Moscow Power Engineering Institute, Dec. 1962.

Mcscow, Elektrichestvo, No.9 Sept 6h, pp 9h-95.



L 3108-66 EWT(d)/EWT(m)/EWP(1)/EWP(c)/EWP(v)/T/EWP(t)/EWP(k)/EWP(h)/EWP(b)/EWP(1)
ACCESSION NR: AP5026358 JD UR/0105/64/000/009/0094/0095

AUTHOR: Tavetkov, V. A.; Birzniyek, L. V.; Vysochanskiy, V. S.; Shakhnazaryan, Yu. M.; Kazanskiy, V. Ye.; Kapuntsov, Yu. D.; Balekh, M. A. Kh.; Frumkin, A. L.; 29 Bakhovtsov, B. A.

TITLE: Dissertations in competition for the academic degree of doctor of technical sciences

SOURCE: Elektrichestvo, no. 9, 1964, 94-95

TOPIC TAGS: electric engineering, electric power engineering, electric equipment, electric distribution equipment, electric rotating equipment, automatic control, automatic control system

Abstract: The following defended dissertations at the Moscow Power Engineering Institute: Y. A. TSYETKOV, 14 December 1962, on the theme "Autoparamagnetic Phenomena and Surges in Three-Phass Circuits which Contain Ferromagnetic Equipment," his official opponents -- Doctor of Technical Sciences, Frofessor V. A. TAFT and Candidate of Technical Sciences, Lecturer L. F. DMOKHOVSKAYA; L. Y. BIRZNIYEK, 4 January 1953, on the theme "Electromagnetic Processes in Multistage Voltage Regulation Circuits in Electric

Card 1/4 * NOT AUTHORS OF ARTICLE

L 3108-66 ACCESSION NR: AP5026358

Rolling Stock with Semiconductor Rectifiors," his official opponents --Doctor of Technical Sciences B. N. TINHLENEY and Candidate of Technical Soiences, Lecturer L. M. TRAKHTMAN: V. IS. VYSOCHANSKIY, 18 January 1963 on the theme "Methods for Controlling the Strip Tension at the Reel of a Gold Rolling Mills," his official opponents -- Doctors of Technical Sciences N. P. KUNITSKIY and N. N. DRUZHININ; Yu. N. SHAKHNAZARYAN, 18 January 1963, on the theme "Approximate Methods for Analysis of Non-Stationary Asynchronous Conditions in Electrical Systems," his official opponents -- Doctor of Technical Sciences, Professor L. G. MAMIKONYANTS and Candidate of Technical Sciences, Lecturer N. I. SOKOLOT; V. Ye. KAZANSKIY, 18 January, on the theme "Some Problems in Automation" and Remote Control of Power Systems," his official opponents -- Doctor of Technical Sciences, Professor I. A. SYROMYATNIKOV and Candidate of Technical Sciences V. K. SPIRIDONOV: Yu. D. KAPUNTSOV, 18 January 1963, on the thome "An Asynchronous Electric Drive with Non-Symmetric Connection of the Saturation Chokes in the Stator Circuit," his official opponents -- Doctor of Technical Sciences V. Ye. BOGOLYUBOV and Candidate of Technical Sciences, Lecturer D. N. LIPATOV: M. A. Kh. SALEKH, 22 February 1963, on the thome "Theoretical Study of the Operation of Minature Two-Phase Asynchronous Machines when the Supply Voltage is not Sinusoidal," his official opponents -- Doctor of Technical Sciences, Professor A. I. BERTINOV and Candidate of Technical Sciences,

L 3108-66 ACCESSION NR: AP5026358

.

Lecturer P. Yu. KAASIK; A. L. FRUEKIN, 8 March 1963, on the theme "A Theoretical and Experimental Study of the Permeability of Anisotropic Thin Magnetic Films," his official opponents -- Doctor of Physical and Rathematical Sciences, Professor R. V. TELE: WIN and Candidate of Technical Sciences, Lecturer P. P. LESYATSEY; B. A. BIKHOVISOV . 119 April 1963, on the theme "Synthemis of Systems for Automatic Control" of Starting and Stopping of Electric Drives," his official opponents -- Doctor of Technical Sciences, Professor A. S. SANDLER and Candidate of Technical Sciences, Lecturer Yu. Ye. HITUSOY. At the Moscow Higher Technical Academy imeni Bauman -- G. A. MIRONOY, 10 December 1962, on the theme "A Method for Experimental Programming of Electronic Digital Computers," his official opponents -- Doctor of Physical and Mathematical Sciences, Professor L. A. LYUSTERNIK and Candidate of Technical Sciences, V. Ya. PETROV. At the All-Union Electrotechnical Institute im. Lenin -- V. A. VOL'KENAU, 11 December 1962, on the theme "Conductivity of Carborundum," his official opponents -- Doctor of Technical Sciences, Professor V. V. BURGSDORF and Candidate of Technical Sciences, D. V. SHISHMAN. At the Academy of Municipal Economy im. Pamfilov -- V. A. KOZLOV, 14 January 1963, on the theme "Problems in the Use of Closed Systems for Municipal Electrical Networks." his official opponents -- Professor P. G. GRIDINSKIY and Candidate of Technical Sciences, Lecturer F. F. VORONTSOY. [17] rel January Philos of Cord 3/4 The Train Correct of the

L 3108-66 ACCESSION NR: AP5026358 At the All-Union Scientific Research Institute of Electromechanics -- L. Ya. STANISLAVSKIY. 23 November 1962, on the theme "On Work in the Field of High Power Turbogenerators and Hydrogenerators," his official opponents -- Doctor of Technical Sciences, Professor I. N. POSTNIKOV, Doctor of Technical Sciences : I. D. URUBOV and Candidate of Technical Sciences Yu. M. EL'KIND. Research Institute of Railroad Transportation: V. D. TULUPOV, 21 December 11962, on the theme "Development and Investigation of a System for Automatic Control of Phoostat Braking of Rectifier Electric Locomotives," his official opponents -- Doctor of Technical Sciences B. N. TIKHMEMEY and Candidate of Technical Sciences B. G. KAMENETSKIY: V. D. MONTSEY, 21 December 1962, on the theme "Protection of Traction Hotors from Short Cirouit Currents During Regenerative Braking," his official opponents -- Doctor of Technical Sciences, Professor V. Yo. ROZENFEL'D and Candidate of Technical Sciences L. N. TRAVHTMAN; A. V. KAMENEV, 11 January 1963, on the theme "Study of Voltage Control Systems for Power Transformers in AC Electric Locomotives with Rectifiers," his official opponents -- Doctor of Technical Sciences, I. P. ISAYEV and Engineer Kn. Ya. BYSTRITSKIY. ASSOCIATION: none SUB CODE: EE. ENCL: OO SUBMITTED: 00 JPRS . OTHER: 000 NO REF SOV: 000

TSVETKOV, V.A., inzh.

Letter to the editor; thanks to our Soviet friends. Elek. i tepl. tiaga 2 no.7:12 J1 '58. (HIRA 11:7)

1.Stantsiya ozherel'ye, Moskovsko-Kursko-Donbasskaya doroga. (Bulgaria--Railroads--Electrification)

S/196/62/000/004/005/023 E194/E155

AUTHOR: Tsvetkov, V.A.

TITLE: The stability of periodic conditions of fundamental frequency in complicated oscillatory systems containing a three-phase saturating reactor

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.4, 1962, 14, abstract 4 A72. (Elektroenergetika, no.4, , 64-83)

TEXT: A three-phase saturating reactor does not cause higher harmonics of current and voltage to appear in symmetrical electrical circuits. It is, however, possible for other ferroresonance effects to occur in circuits containing a three-phase reactor. The effect of a ferro-resonance jump occurs in a simple capacitance-reactor circuit. Sub-harmonic oscillations occur in a long line with a saturating reactor when series capacitance compensation is used. The stability of the harmonic conditions at supply voltage frequency is studied on the example of a complicated single-phase circuit with non-linear inductance. Card 1/2

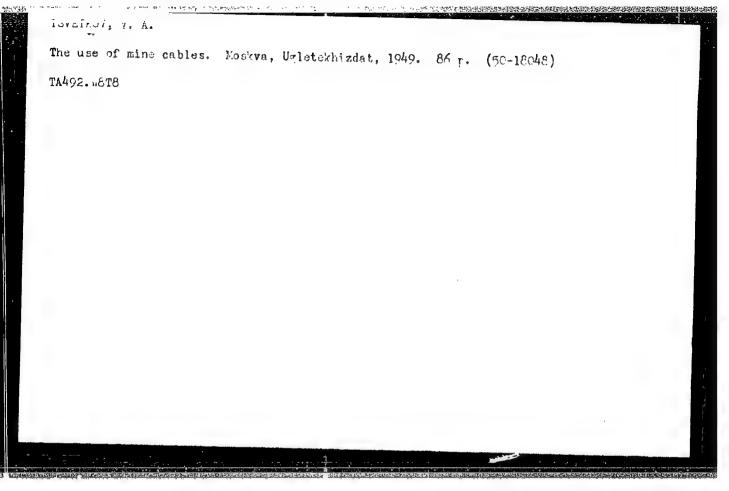
The stability of periodic conditions... S/196/62/000/004/005/023

The small parameter method is used to determine the conditions of occurrence of simple parametric resonance and combination resonance which are the causes of the ferro-resonance jump, and of subharmonic oscillations. The behaviour of a three-phase reactor in a symmetrical circuit is considered. Experimental and compare the frequencies of oscillations can be used to determine lines with saturating reactors with various lengths of line and degrees of compensation. The method of suppressing subharmonics theoretically confirmed.

7 literature references.

[Abstractor's note: Complete translation.]

Card 2/2



"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757220008-9

Parametric excitation of oscillations in a three-phase talanced nonlinear network with delta connected secondary windings. Elektroenergetika no.5:129-135 '62. (MIRA 15:4) (Electric networks) (Electric transformers)

TSVETKOV, V.B., inzh.; BURKOV, V.I.

Re-equipping the TR-19 autoratic welfer for resistance but welding. Svar. proizv. no.1:38 Ja '65.

(MINA 18:3)

TSVETKOV, V.B.; BURKOV, V.I.

Welding on 'a ZR-19 automatic welding machine. Biul.tekhrekon.
inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. 17 no.11:34-35
N '64.*

(MIRA 18:3)

TSVETKOV, V.D.

Principles of automation of the design of optimal technological processes in the mammfacture of machinery. Mashinostroitel' no.6:7-10 Je 165. (MIRA 18:7)

TO EAST MANY TRANSPORTED WAS ARRESTED TO THE PROPERTY OF THE P

MELAMED, G.I.; TSVETKOV, V.D.; AYZMAN, D.S.; ZOTOV, G.I., inzh., retsenzent; LIVSHITS, Sh.Ya., inzh., red.

[Machine-tcol units] Agregatnye stanki. Moskva, Izd-vo "Mashinostroenie," 1964. 422 p. (MIRA 17:6)

TSVETKOV, V.D., inzh.; TOFFENETS, V.A., inzh.; ZARKH, S.B., inzh.

Automatic feeding of drum-type multiple-position machine-tool
units. Mash. Bel. no.2:31-39 .*60. (MIRA 16:7)

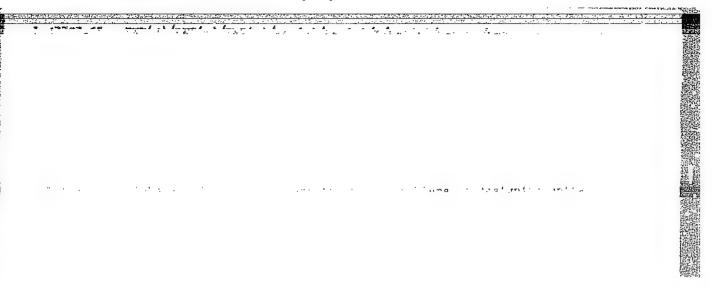
(Feed mechanisms)

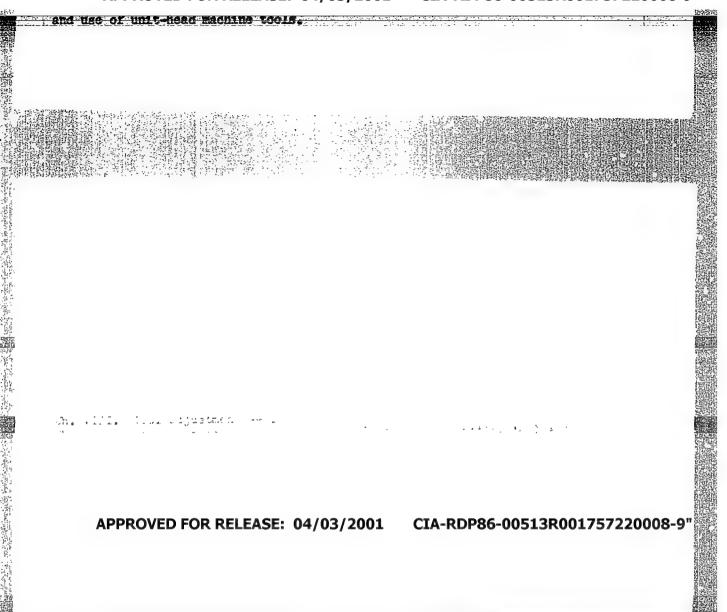
IVANOV, V.S.; TSVETKOV, V.F.

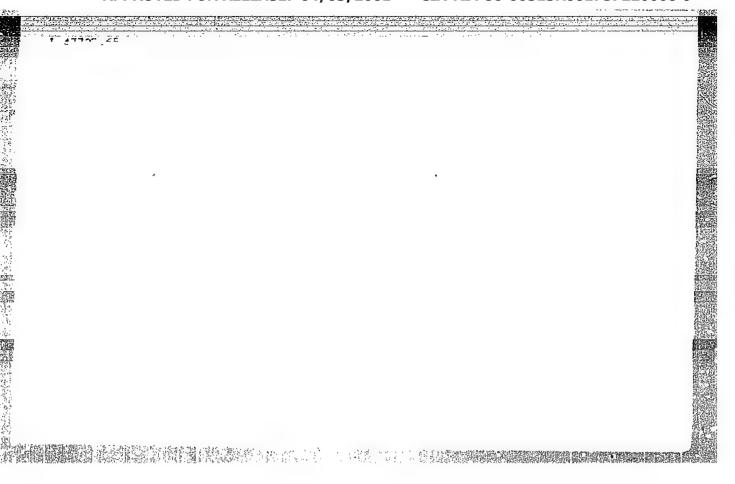
Influence of paraldehyde on the photometric determination of crotonaldehyde. Zhur.anal.khim. 15 no.2:245-247 Mr-Ap 160.

1. Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova.

(Paraldehyde) (Crotonaldehyde)







"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757220008-9

PISHOKHA, Boris Markovich; TSVETKOV, V.F., kandidat istorichnikh nauk, redaktor;

[Party organizations in the Ukraine in the struggle to increase grain production on collective farms of the Republic] Partini

[Party organizations in the Ukraine in the struggle to increase grain production on collective farms of the Republic] Partini organizate Ukrainy v borot'bi za drute pidnesennia zernovoho hospodarstva v kolhospakh respubliku, Kyiv, Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' URSR, 1956. 43 p. (Ukraine--Grain)

- CONTRACTOR OF THE PROPERTY AND A CONTRACTOR OF THE PROPERTY AND

PAZIRUK, Karp Ivanovich; BULMAN, Mark Yefimovich; TSVETKOV, V.G., inzh., retsenzent; ALEKHINA, V.S., inzh., retsenzent; MOROZOVA, I.I., red.; SOKOLOVA, I.A., tekhm. red.

[Production of potato starch on collective and state farms]
Proizvodstvo kartofel nogo krakhmala v kolkhozakh i sovkhozakh. Moskva, Pishchepromizdat, 1963. 166 p.

(MIRA 17:4)

ACCESSION NR: AP4022652

s/0207/64/000/001/0090/0094

AUTHORS: Tokarev, V. V. (Moscow); Tsvetkov, V. I. (Moscow)

TITLE: Optimal form of a gemma radiation shield

SOURCE: Zhurnal priklad, mekhan, i tekhn. fiz., no. 1, 1964, 90-94

TOPIC TAGS: gamma radiation, radiation shield, optimal shield

ABSTRACT: The problem of finding the optimal form of a Y-radiation shield (minimal weight) for a linear source of radiation was considered by L. R. Kimel' (Opredeleniye optimal'noy formy* zashchitnogo bar'yera. Atomnaya energiya, 1959, t. 7, No. 3). However, the solution obtained is not applicable in all cases; for a large admissible radiation dose, the thickness at the edge of the source becomes negative. In this paper, a complete solution to the problem is obtained for linear, disk-shaped, and cylindrical radiation sources. In the case of a disk, the geometry is shown by Fig. 1 in the Enclosure. The dimensionless quantities and are introduced. These represent the radiation received at the point 0, the weight of the shield, and a measure of the thickness of the shield at φ , respectively. The optimal form of the shield is obtained by using the method of Pontryagin. It is given by the expression

ACCESSION NR: AP4022652

$$\zeta(\varphi) = \ln\left(\frac{1 - \cos \varphi_0}{\varphi_0 \cos \varphi_0} \cos \varphi\right) \text{ for } 0 < \varphi < \varphi_0$$
 (1)

The weight of the optimal shield is

$$g_0 = \sec \varphi_0 - 1 + \ln \cos \varphi_0$$
 for $1 - \cos \varphi_0 < \sigma_0 < -\ln \cos \varphi_0$

$$g_0 = \frac{\ln \cos \varphi_0}{\cos \varphi_0} + \frac{1 - \cos \varphi_0}{\cos \varphi_0} \left(1 + \ln \frac{1 - \cos \varphi_0}{\sigma_0 \cos \varphi_0} \right) \text{ for } 0 < \sigma_0 < 1 - \cos \varphi_0$$

where ϕ_{\pm} is the solution of

$$\sigma_{e} = 1 - \cos \varphi_{e} + \ln \cos \varphi_{e} - \ln \cos \varphi_{e} . \tag{3}$$

The method, when applied to the cylindrical case, yields somewhat more complicated expressions for the optimal form and weight of the shield. Orig. art. has: 7 figures and 29 equations.

ASSOCIATION: none

SUBMITTED: 230ct63

DATE ACQ: OBAprol

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SUB CODE: PH

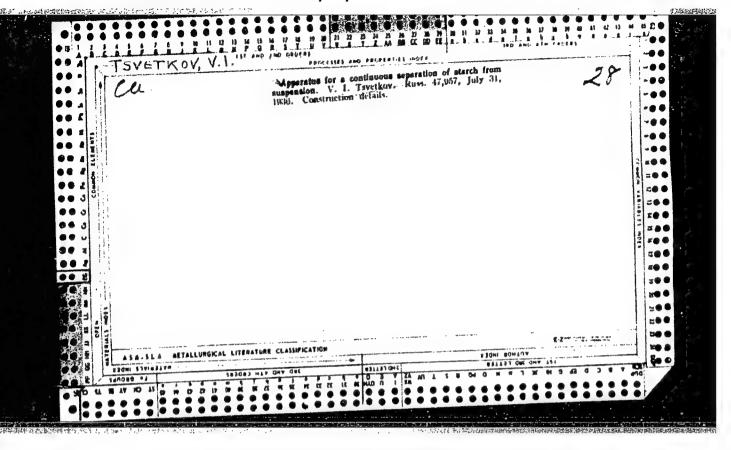
NO REF SOV: 003

OTHER: 000

Card 2/3 2

TSVETKOV, V.I. (Leningrad)

Amplitude-frequency transfer function of a relay-type executive mechanism with a motor having independent excitation. Izv. AN SSSR. Tekh. kib. no.4:165-170 J1-Ag '63. (MIRA 16:11)



"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757220008-9

L 13330-66 EWT(m)/ETC(f)/EFF(n)-2/EWG(m)

ACC NR: AP6002352

SOURCE CODE: UR/0207/85/000/008/0010/0017

AUTHOR: Tsvetkov, V. I. (Moscow)

? ?

ORG: none

TITLE: Optimum shape of polychromatic Gamma radiation shields

19,55

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 6, 1965, 10-17

TOPIC TAGS: radiation shielding, radiation protection, gamma radiation

ABSTRACT: In an earlier paper the author discussed the establishment of an optimum shape of shields (in the sense of a minimum weight) for the case of monoenergetic gamma radiation from point, disk, and cylindrical sources (V. V. Tokarev, V. I. Tsvetkov, PMTF, 1964, no. 1). The present article solves the same problem for the same source geometries for the case of polychromatic gamma radiation. The scattering of radiation to the surrounding medium is neglected, and the source emission is assumed isotropic. The multiple scattering within the shields is taken into account by analytical expressions for the accumulation factor. In addition to the formulas for optimum shield • shapes, the author suggests means for the determination of the weight of the shield. Orig. art. has: 58 formulas and 5 figures. [08]

SUB CODE: 18/SUBM DATE: 06Apr65/ ORIG REF: 006/ OTH REF: 001/ ATD PRESS: 4/8

Card 1/1 FW

RUDENKO, N.S.; TEVETKOV, V.I.

Study of the pulse electric strength of certain liquids.

Zhur. tekh. fiz. 34 no.6:1079-1082 Je *64. (MIRA 17:9)

1. Tomskiy politekhnicheskiy institut imeni Kirova, Tomsk.

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757220008-9

UR/0057/65/035/010/1840/1843 EWT(1)/EPA(a) 7750-66 EWT(1) SOURCE CODE: 44,55 44,55

Tsvetkov, V.I. AUTHOR: Rudenko, N.S.;

REPORT CONTROL OF THE PROPERTY OF THE PROPERTY

Tomsk Polytechnic Institute im. S.M.Kirov (Tomskiy politekhnicheskiy insti-ORG:

TITLE: Investigation of the dielectric strength of some liquids under the action of nanosecond voltage pulses

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 35, no. 10, 1965, 1840-1843

TOPIC TAGS: dielectric breakdown, water, transformer oil, nanosecond pulse

ABSTRACT: The breakdown of 50 to 500 μ gaps between 2 mm diameter stainless steel electrodes in transformer oil, doubly distilled water, and "technical" water (conductivity approximately 5 × 10⁻⁶ mho/cm) was investigated with up to 500 kV pulses with 2 nanosec rise time and 30 nanosec duration. The gap was made part of the central conductor of a comial line and the breakdown was observed with an oscilloscope. The electrodes were cleaned and examined after every 3-5 pulses, and the maximum error in measuring the gap was 10 % for the 50 μ gap and 2 % for the 500 μ gap. The results are presented as curves of mean breakdown time versus pulse voltage; breakdowns that occurred during the rise of the pulse were excluded from the average. The shape of these curves is briefly discussed and it is concluded that the discharge mechanism is electronic in nature. The technical water was found to have as high a dielectric strength in the nanosecond range as transformer oil. Water can therefore be employed 1721 Card 1 /2

a 0	constant wou i.A. Yorob'ye irafoy for s	oltage pulse insulator in the second of the	n those applications where its hi we author thanks Professor of Tech day and for discussion of the resu we experiments. Orig. art. has: 4	its, and <u>V.F.</u>
. 8	441,35 BUB CODE: E	EE, EC, ME/ SUBM DATE:	14Dec64/ ORIG REF: 002/ OTH REI	*: 002
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CHIGORIN, A.N.; TSVETKOV, V.I.

Determining the density of the Delta Aquarid meteor stream in 1962. Biul. VAGO no.35:28-33 '64. (MIRA 18:4)

1. Moskovskoye otdeleniye Vsesoyuznogo astronomo-geodezicheskogo obshchestva, meteorny $_{\rm o}$ otdel.

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TSVETKOV, V.I., ofitser; BOGDANOV, A.I., ofitser.

Unit demonstrating the performance of an antigravity device.

Vest. Vozd. Fl. 37 no.1:85 J 155. (MIRA 16:8)

(Flight training -- Equipment and supplies)

A good understanding is better than mere memorization.
Vest. Vozd. F1. no. 7:85 J1 60. (MIRA 13:7)

(Aeronautics-Study and teaching)

MIKHAILOV, K., inzh.; WEICHEV, St., inzh.; STANEV, St., arkh.; TSVETKOV, V., inzh.; VELKOV, As., ikon.; GUDEVA, Zh., inzh.; SOTIROV, Iv., inzh.; TSONEV, D., inzh.; KHRISTOVA, S., inzh.; RAIKOV, II., inzh.; KOSTADINOV, V., inzh.

Current problems of urban electrical engineering. Elektroenergiia 16 no.1:3-7 Ja '65.

TSVETKOV, V.I. (Leningrad)

Amplitude-frequency transfer function of a relay executive mechanism with a motor with sequential excitation. Izv. AN SSSR. Tekh. kib. no.3:117-128 Je '64. (MIRA 17:10)

s/598/61/000/005/010/010 DO40/D113

AUTHORS: Kramnik, V.Yu., Guz!, S.Yu., Garba, L.S., and Tsvetkov, V.I.

Development and application of a method of titanium tetrachloride TITLE:

extraction from chloride pulp

Akademiya nauk SSSR. Institut metallurgii. Titan i yego splavy, SOURCE:

no. 5, Moscow, 1961. Metallurgiya i khimiya titana, 267-272

TEXT: A brief description is given of experiments which resulted in a new and better method of TiCl, extraction from pulp obtained in the chlori-nation of titanium ore being found. The only method used until recently was hydrolysis with the formation of hydrochloric-acidous hydrogel from which TiCl, precipitated in the form of metatitanic acid-pitch that had to be dryed and again melted in furnaces, so that ready TiCl, was being turned into raw material which had to be further reprocessed. The new method, developed by research workers, including the authors, is based on the property of molten mass of chlorides to demix and separate into two layers

Card 1/3

\$/598/61/000/005/010/019 D040/D113

Development and application ...

at relatively high temperature. A bath of molten NaCl, or any chlorides of alkali metals or alkaline-earth metals may be used for producing a chloride bath in the furnace, and the TiCl, pulp, containing chlorides of Al, Fe, Mg, etc., is charged on the top of the chloride bath. A mass of aluminum chlorides and trivalent iron and sodium with a low melting point separates and rises from the bottom portion of the furnace and metal chlorides with a melting point above 500°C sink into the bottom layer. The difference in the top and bottom layer temperature promotes mixing and intensifies the reaction. A common electric shaft furnace, 3100 mm in diameter, was used, though other furnaces may be used, provided they have a heated lower some. The furnace was fitted with an air-tight charging hopper with a screw feeder for pulp, and another hopper for NaCl, and was provided with a tap hole at the top, in addition to the usual bottom tap hole. The upper melt layer has to be tapped once daily through the top hole. The space between the furnace electrodes is filled with a carbon packing which serves as an electric resistor, providing heat and maintaining high temperature. The

Card 2/3

Development and application ...

S/598/61/000/005/010/010 D040/D113

product is tapped into conical steel containers and is removed from them without difficulty. A fluid chloride bath is maintained permanently in the furnace above the carbon packing, and pulp is loaded onto the top of it. Pulp is brought in containers from all chlorination furnaces and from the TiCl, purifying section, and poured into the charging hopper. The method has been tested and introduced industrially. The obtained TiCl, contains C.Ol-O.O46%Fe and O.39-O.218% Al. The new method increased the TiCl, output by 5%.

Card 3/3

S/137/62/000/006/044/163 A006/A101

AUTHORS:

Kramnik, V. Yu., Tsvetkov, V. I., Misheneva, Ye. V.

HITLE;

Experimental tests of a centrifuge and ceramic filters for the

purification of commercial titanium tetrachloride

PERIODICAL:

Referativnyy zhurnal, Metallurgiya, no. 6, 1962, 15, abstract 6G110 (In collection: "Titan i yego splavy", no. 5, Moscow, AN SSSR,

1961, 273 - 278)

TEXT: Tests were made with new equipment, the AOΓ-600 (AOG-600) centrifuge and ceramic filters, intended for the purification of commercial TiClμ. As a result of the tests the given centrifuge design was found to be unsuitable for extended operation. A series of other deficiencies was also noted. The ceramic filters showed 18 - 38% porosity. They were tested in the shops. The following results were obtained: 1. The average pulp filtration rate is 600 kg/hour. 2. Optimum filtration time between the separations of the precipitate is 30 min. 3. The filtrate is transparent. 4. The precipitate contains 450 - 760 g/kg of pulp. 5. The filtering capacity of a ceramic filter is fully restored by N₂ blast.

[Abstracter's mote: Complete translation]

dard 1/1

TSVETKOV, V. L.; BEKKER, G. M.

Case of myoblastomyoma in the eye region. Oft. zhur. no.2:112 '62. (MIRA 15:4)

1. Iz Orlovskoy oblastnoy bol'nitsy.

(MUSCLES_TUMORS) (EYELIDS_TUMORS)

ACCESSION NR: AP4040312

5/0057/64/034/006/1079/1082

AUTHOR: Rudenko, N.S.; Tsvetkov, V.I.

TITLE: Investigation of the impulse dielectric strength of several liquids

SOURCE: Zhurnal tekhnicheskoy fiziki, v.34, no.6, 1964, 1079-1082

TOPIC TAGS: dielectric strength, dielectric property, liquid dielectric, capacitor

ABSTRACT: The impulse dielectric strength of tap water, doubly distilled water, glycerine, and ethyl alcohol was measured at gap lengths of 5, 10, 25, 50, 100 and 500 microns and pulse durations from 0.1 to 10 microsec. The measurements were undertaken primarily to evaluate the liquids for use as dielectrics in high voltage pulsed capacitors. A single stage pulse generator producing rectangular pulses with amplitude up to 20 kV and a rise time of 0.01 microsec was employed for the measurements at gap lengths up to 100 microns. For the 500 micron measurements a five stage pulse generator was used which produced up to 100 kV pulses with a rise time of 0.1 microsec. Molybdenum electrodes 0.45 mm in diameter were used for the measurements at 100 microns or less and 1.5 mm diameter steel electrodes were used for the 500 micron measurements. The gap lengths were measured to 0.5 micron with a 120 power

Card 1/3

ACCESSION NR: AP4040312

microscope, and the electrodes were reconditioned after every 10 to 20 discharges. For each overvoltage the probable breakdown time was obtained by averaging 10 to 20 breakdown times by means of a Laue curve (M.Laue, Ann. Phys. 76, 261, 1925). The dispersion of the breakdown times decreased with increasing overvoltage. The dielectric strengths increased with decreasing gap length as well as with decreasing pulse duration. The curves of dielectric strength versus pulse duration were all convex to both axes, and their bends were rather sharply marked for the longer gap lengths. For a given gap length the bend occurred at about the same pulse duration (1.5 microsec for the 500 micron gap) for all four liquids, and at shorter pulse durations for the shorter gaps. This suggests that the breakdown at high overvoltage involves spanning of the gap by a charge avalanche. The dielectric strength continued to decrease with increasing pulse duration over the full range (to 10 microsec) investigated. The authors suggest that the breakdown at long pulse duration is due to a thermal effect arising from the high conductivity of the liquids. The most suitable of the liquids for use as pulsed capacitor dielectrics are doubly distilled water and glycerine. Such capacitors should be pulsed for one microsecond or less. "In conclusion the authors express their gratitude to G.A. Vorob'yev, candidate in technical sciences, for suggesting the topic, for his interest in the work and for discussing the results." Orig.art.has: 2 figures and 1 table. Orig.art.has: 2 figures and 1 table.

Card 2/3

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SUB CODE	: EM, EC	•	'NR REF SOV:	002	OTHER	:002
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TSVETKOV, V.I.; PROTASOV, V.R.

Bionics and fishing. Priroda 53 no.2:128 164.

(MIRA 17:2)

1. Institut morfologii zhivotnykh im. A.N. Severtsova AN SSSR,
Moskva.

TSVETKOV, V.I.

Principal bands and other details observed on Jupiter in 1959.
Biul. VAGO no.34:47-50 '63. (MIRA 17:4)

1. Moskowskoye otdeleniye Vsesoyuznogo astronomo-geodezicheskogo obshchestva, otdel planet i Luny.

TSVETKOV, V.I.

Features on Jupiter and the position of its bands in 1957. Biul. VAGO no.27:20-26 '60. (MIRA 13:6)

1. Moskovskoye otdeleniye Vsesoyuznogo astronomo-geodezicheskogo obshchestva, otdel plantet.
(Jupiter (Planets))

Iyrids in 1961. Biul. VAGO no.35:7-8 '63. (MIRA 16:4)

1. Moskovskoye otdelaniye Vsesoyuznogo astronomo-geodezioheskogo obshohestva, meteornyy otdel. (Meteors—April)

L 38108-66 EWT(d)/EWH(I) LJP(c)

ACC NR. AP6008529

SOURCE CODE: UR/0280/66/000/001/0140/0145

THE PROPERTY OF THE PROPERTY O

AUTHOR: Pal'tov, I. P. (Leningrad); Tsvetkov, V. I. (Leningrad)

32 B

ORG: none

TITLE: The use of an oscillatory criterion for a quality estimate of processes in nonlinear systems //

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 1, 1966, 140-145

TOPIC TAGS: nonlinear automatic control, system, system reliability

ABSTRACT: The authors have considered the feasibility of employing an oscillatory factor for a quality estimation of equivalent-converging processes in nonlinear systems. It is shown that the oscillatory criterion can be used for the estimation of processes with nonlinearities of any form, including those which have equivalent amplitude-phase characteristics dependent both on the amplitude as well as on the frequency of the input coordinate of the nonlinear element. This method may be used to estimate the quality of equivalent-converging processes in the case of systems which contain more than one nonlinearity. However, depending on the location of the nonlinearity, preliminary transformations of the nonlinear system circuit may be required. Orig. art. has: 6 figures and 17 formulas.

SUB CODE: 13,14/ SUBM DATE: 21Mar64/ ORIG REF: 003/ OTH REF: 000

Card 1/1/11/12

TSVETKOV, V.L., klinicheskiy ordinator

Injuries of the eye in collective farmers. Sbor. trud. Kursk. gos. med. inst. no.13:61-64 '58. (MIRA 14:3)

1. Iz kliniki glaznykh bolezney (zav. - professor A.G.Krol') Kurskogo gosudarstvennogo meditsinskogo instituta. (EYE-MOUNDS AND INJURIES)

TSVETKOV. V.L.

Dispensary care of the rural population by an oculist. Sov.zdrav. 16 no.3:42-43 Mr '57. (MLRA 10:6)

1. Iz kafedry organizatsii zdravookhraneniya (zav. - dotsent A.P.Kurochkina) i kafedry glaznykh bolezney (zav. - prof. A.G.Krol') Kurskogo meditsinskogo instituta (dir. - prof. A.V.Savel'yev) (OUTPATIENT SERVICES

mass survey for control of eye dis. in rural cond. in Russia)

(EYE DISEASES, prev. and control

mass survey in dispensaries in rural cond. in Russia)

(RURAL CONDITIONS

mass survey for control of eye dis. in dispensaries in Russia)

TSVETKOV VILLE Sec.12 Vol.11/9 Ophthalmology Sept 57			ed eq
1403. TSVETKOFF V.L. Med.Inst., Kursk.* Forceps with sharp- pointed blades for the removal of foreign bodies from cornea and conjunctiva (Russian text) VESTN.OFTAL. 1956, 2 (39) Illus. 2 The forceps described can be made out of an ordinary ophthalmic forceps by whet- ting the ends of the blades on a whet-stone until they are 3-sided and sharp-pointed. When the forceps is closed the inner sides of the blades touch. Either blade can be used separately as a needle. In the presence of deep and fixed foreign bodies both blades are passed alongside the corpus allenum into the tissue of cornea or con- junctiva; the foreign body is grasped and extracted. De Haas - Arnhem			
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TSVETKOV, V.L. (Kursk)

Role of semiprofessional medical personel in villages and at machine-tractor stations in the prevention, diagnosis and therapy of eye diseases. Fel'd. i akush. no.8:41-42 Ag '54. (MIRA 7:8)

(EYE, diseases

prev. & control in rural areas, Russia)

TSVETKOV, V.L.

Preventing eye injuries in agriculture. Zdrav. Ros. Feder. 5 no.10: 25-27 0 '61. (MIRA 14:10)

1. Iz Orlovskoy oblastnoy bol'nitsy (glavnyy vrach M.P.Khrisanopulo). (EYE-WOUNDS AND INJURIES)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001757220008-9"